



## Legislation Text

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File #: 2019-184, Version: 1

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**Contract No. 1802575**

**GLWA Conveyance System Engineering Services**

**CIP# 260200**

Agenda of: May 22, 2019  
Item No.: **2019-184**  
Amount: \$3,149,897.00

**TO:** The Honorable  
Board of Directors  
Great Lakes Water Authority

**FROM:** Sue F. McCormick  
Chief Executive Officer  
Great Lakes Water Authority

**DATE:** May 1, 2019

**RE: Contract No. 1802575  
GLWA Conveyance System Engineering Services  
Vendor: Brown and Caldwell, LLC**

### MOTION

Upon recommendation of Cheryl Porter, Chief Operating Officer - Water and Field Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 1802575 "GLWA Conveyance System Engineering Services" with Brown and Caldwell, LLC, at a cost not to exceed \$3,149,897.00 for a duration of 36 months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

### BACKGROUND

The GLWA sewer system (approximately 180 miles of sewers ranging from 48" through 168") is 80 years old on an average, with much of the infrastructure more than 100 years old. These sewers have been constructed in various phases under various contracts using bricks or concrete. Due to the age and various deterioration of these aging sewer pipes, immediate repair and/or rehabilitation is often required.

**JUSTIFICATION**

GLWA recently conducted a global inspection of the sewer interceptor system under contract GLWA-CON-149 “Emergency Sewer Repair” to determine their condition and to identify areas of severe distress that require repairs and/or rehabilitation. Contract No. 1802575 builds upon that inspection by providing engineering services to evaluate the inspection results and recommend the best rehabilitation method. Also, the consultant will design and prepare bid packages for the construction contracts. Such design includes collecting additional data (structural and geotechnical), performing analysis of the conditions, developing feasible alternatives, working with GLWA to select the best alternative, completing the design, assisting with procurement, and providing oversight of the construction.

**Project Objectives**

The project tasks are described as follows:

- A. Review Pipeline Assessment Certification Program (PACP) Reports, CCTV, and Historical As-built Drawings
- B. Manual Inspection of Sewers, if necessary
- C. Rehabilitation/Repair Evaluation and Option Analysis
- D. Flow Control Design
- E. Preparation of Construction Documents
- F. Construction Assistance

**FINANCIAL PLAN IMPACT**

**Summary:** Sufficient funds are provided in the financial plan for this project.

**Funding Source:** Wastewater Construction Bond

**Cost Center:** Field Engineering

**Expense Type:** Construction (5421-892411.000-617950-260204)

**Estimated Cost by Year and Related Estimating Variance:** See table below.

|                         |                     |
|-------------------------|---------------------|
| Fiscal Year             |                     |
| FY 2020 Plan            | 1,049,952.00        |
| FY 2021 Plan            | 1,049,952.00        |
| FY 2022 Plan            | <u>1,049,953.00</u> |
| Financial Plan Estimate | \$ 3,149,857.00     |
| Proposed Contract Award | <u>3,149,857.00</u> |
| Estimating Variance     | \$ 0.00             |

This proposed contract is being funded from unallocated Program 260200 balances identified in FY 2020 - 2024 CIP Plan.

**SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT**

This project provides for the evaluation and recommendations on repair/rehabilitation for the sewers under. Cost savings are not determinable at the time of award.

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on May 8, 2019. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

**SHARED SERVICES IMPACT**

This item does not impact the shared services agreement between GLWA and DWSD.